BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work: Estimate for balance Patching pot holes in main and cross roads of Kodigehalli, tatanagara, Bhadrappa layout, devinagara, lottegollahalli, muneshwaranagara and surroundings areas in ward no. 8

Estimate Cost Rs. 320000.00

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate (Rs.)	Amount (Rs.)
1	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 chapter 3. Page No. 142 / Item No. 19.1/ PWD SR 2015-16								
	Tatanagara								
	3rd Cross								
	Road cutting	cum	8	8.00	1.00	0.20	12.80		
	Potholes	cum	4	6.00	0.80	0.20	3.84		
		Cum	3	2.00	1.50	0.20	1.80		
		Cum	2	0.60	0.80	0.20	0.19		
		Cum	1	1.20	0.70	0.20	0.16		
	4th & 5th Cross								
	Road cutting	cum	5	6.00	0.60	0.20	3.60		
	Potholes	cum	8	0.80	0.80	0.20	1.02		
		Cum	2	1.50	1.20	0.20	0.72		
		Cum	4	0.80	1.00	0.20	0.64		
			3	1.20	1.50	0.20	1.08		
			5	0.70	1.20	0.20	0.84		
			10	1.30	1.50	0.20	3.90		
			10	1.00	0.60	0.20	1.20		
			8	7.00	1.20	0.20	13.44		
			5	2.00	1.60	0.20	3.20		
			10	1.60	2.50	0.20	8.00		
			8	2.50	3.00	0.20	12.00		
	6th Cross								
	Road cutting	cum	7	7.00	0.40	0.20	3.92		
	Potholes	cum	2	1.00	0.80	0.20	0.32		
		cum	1	0.90	0.60	0.20	0.10		
	7th Cross								
	Road cutting	cum	3	6.00	0.40	0.20	1.44		
	Potholes	cum	1	1.00	0.60	0.20	0.12		
		cum	1	7.00	0.80	0.20	1.12		

4th Main						
Road cutting	cum	8	7.00	0.40	0.20	4.48
Potholes	cum	4	1.00	6.00	0.20	4.80
	cum	1	1.50	4.00	0.20	1.20
		1	0.60	1.20	0.20	0.14
		1	0.80	1.20	0.20	0.19
10th Main						
Road cutting	cum	5	7.00	0.50	0.20	3.50
Potholes	cum	1	1.00	0.30	0.20	0.06
		1	1.20	0.60	0.20	0.14
Hebbal Sarovara						
Road cutting	cum	4	6.00	0.50	0.20	2.40
Potholes	cum	3	0.50	0.80	0.20	0.24
	Cum	1	1.00	0.60	0.20	0.12
	cum	1	1.00	0.80	0.20	0.16
Balaji Layout						
1st main						
Road cutting	cum	4	6.00	0.50	0.20	2.40
Potholes	cum	9	2.00	0.80	0.20	2.88
2nd main						
Road cutting	cum	6	6.00	0.50	0.20	3.60
Potholes	cum	3	2.00	2.00	0.20	2.40
		3	1.50	1.00	0.20	0.90
3rd main						
Potholes	cum	10	0.80	1.20	0.20	1.92
4th main						
Potholes	cum	10	1.80	1.00	0.20	3.60
Road cutting	cum	7	6.00	0.50	0.20	4.20
5th main						
Potholes	cum	7	0.80	0.90	0.20	1.00
Road cutting	cum	5	6.00	0.50	0.20	3.00
6th main						
Potholes	cum	6	1.00	1.00	0.20	1.20
Road cutting	cum	3	7.00	0.50	0.20	2.10
7th main						
Potholes	cum	9	1.00	0.80	0.20	1.44

Road cutting	cum	4	7.00	0.50	0.20	2.80
2nd Cross						
Potholes	cum	24	1.20	0.80	0.20	4.60
Road cutting	cum	5	7.00	0.50	0.20	3.50
1st Cross						
Potholes	cum	5	0.80	0.80	0.20	0.64
Road cutting	cum	2	7.00	0.50	0.20	1.40
8th Cross						
Potholes	cum	4	0.70	0.80	0.20	0.44
Road cutting	cum	4	7.00	0.50	0.20	2.80
9th Cross						
Potholes	cum	4	0.60	0.80	0.20	0.38
Road cutting	cum	2	7.00	0.50	0.20	1.40
10th Cross						
Potholes	cum	1	1.50	0.80	0.20	0.24
Road cutting	cum	1	7.00	0.50	0.20	0.70
NTI Layout						
Potholes	cum	1	1.00	1.00	0.20	0.20
Road cutting	cum	13	5.00	0.50	0.20	6.50
Hanumaiah Layout Main Road						
Potholes	cum	4	1.50	0.45	0.20	0.54
Road cutting	cum	5	5.00	0.50	0.20	2.50
1st cross						
Road cutting	cum	1	3.50	0.50	0.20	0.35
Potholes	cum	2	0.80	1.20	0.20	0.38
2nd cross						
Road cutting	cum	1	3.50	0.50	0.20	0.35
Potholes	cum	3	1.00	1.50	0.20	0.90
3rd cross						
Road cutting	cum	2	3.50	0.50	0.20	0.70
Potholes	cum	4	1.20	0.50	0.20	0.48
4th cross						
Road cutting	cum	3	3.50	0.50	0.20	1.05
Potholes	cum	5	1.50	1.80	0.20	2.70
5th cross						
Road cutting	cum	2	3.50	0.50	0.20	0.70
Potholes	cum	4	1.80	2.10	0.20	3.02
6th cross						

Road cutting	cum	3	3.50	0.50	0.20	1.05		
Potholes	cum	3	1.00	1.00	0.20	0.60		
KEB Road								
Road cutting	cum	3	5.00	0.50	0.20	1.50		
Potholes	cum	4	1.50	1.50	0.20	1.80		
						167.74	86.92	14580.00

Basic Rate	82.00
Area Weightage @ 6%	4.92
Total	86.92

2 KSRRB M400- Wet Mix Macadam KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 specification NO. 406, Page No. 158 / Item No. 20.18 / PWD SR 2015-16

Tatanagara

3rd Cross						
Road cutting	cum	8	8.00	1.00	0.10	6.40
Potholes	cum	4	6.00	0.80	0.10	1.92
	Cum	3	2.00	1.50	0.10	0.90
	Cum	2	0.60	0.80	0.10	0.09
	Cum	1	1.20	0.70	0.10	0.08
4th & 5th Cross						
Road cutting	cum	5	6.00	0.60	0.10	1.80
Potholes	cum	8	0.80	0.80	0.10	0.51
	Cum	2	1.50	1.20	0.10	0.36
	Cum	4	0.80	1.00	0.10	0.32
		3	1.20	1.50	0.10	0.54
		5	0.70	1.20	0.10	0.42
		10	1.30	1.50	0.10	1.95
		10	1.00	0.60	0.10	0.60
		8	7.00	1.20	0.10	6.72
		5	2.00	1.60	0.10	1.60
		10	1.60	2.50	0.10	4.00
		8	2.50	3.00	0.10	6.00
6th Cross						

Road cutting	cum	7	7.00	0.40	0.10	1.96
Potholes	cum	2	1.00	0.80	0.10	0.16
	cum	1	0.90	0.60	0.10	0.05
7th Cross						
Road cutting	cum	3	6.00	0.40	0.10	0.72
Potholes	cum	1	1.00	0.60	0.10	0.06
	cum	1	7.00	0.80	0.10	0.56
4th Main						
Road cutting	cum	8	7.00	0.40	0.10	2.24
Potholes	cum	4	1.00	6.00	0.10	2.40
	cum	1	1.50	4.00	0.10	0.60
		1	0.60	1.20	0.10	0.07
		1	0.80	1.20	0.10	0.09
10th Main						
Road cutting	cum	5	7.00	0.50	0.10	1.75
Potholes	cum	1	1.00	0.30	0.10	0.03
		1	1.20	0.60	0.10	0.07
Balaji Layout						
1st main						
Road cutting	cum	4	6.00	0.50	0.10	1.20
Potholes	cum	9	2.00	0.80	0.10	1.44
2nd main						
Road cutting	cum	6	6.00	0.50	0.10	1.80
Potholes	cum	3	2.00	2.00	0.10	1.20
		3	1.50	1.00	0.10	0.45
3rd main						
Potholes	cum	10	0.80	1.20	0.10	0.96
4th main						
Potholes	cum	10	1.80	1.00	0.10	1.80
Road cutting	cum	7	6.00	0.50	0.10	2.10
5th main						
Potholes	cum	7	0.80	0.90	0.10	0.50
Road cutting	cum	5	6.00	0.50	0.10	1.50
6th main						
Potholes	cum	6	1.00	1.00	0.10	0.60

Road cutting	cum	3	7.00	0.50	0.10	1.05
7th main						
Potholes	cum	9	1.00	0.80	0.10	0.72
Road cutting	cum	4	7.00	0.50	0.10	1.40
2nd Cross						
Potholes	cum	24	1.20	0.80	0.10	2.30
Road cutting	cum	5	7.00	0.50	0.10	1.75
1st Cross						
Potholes	cum	5	0.80	0.80	0.10	0.32
Road cutting	cum	2	7.00	0.50	0.10	0.70
8th Cross						
Potholes	cum	4	0.70	0.80	0.10	0.22
Road cutting	cum	4	7.00	0.50	0.10	1.40
9th Cross						
Potholes	cum	4	0.60	0.80	0.10	0.19
Road cutting	cum	2	7.00	0.50	0.10	0.70
10th Cross						
Potholes	cum	1	1.50	0.80	0.10	0.12
Road cutting	cum	1	7.00	0.50	0.10	0.35
NTI Layout						
Potholes	cum	1	1.00	1.00	0.10	0.10
Road cutting	cum	13	5.00	0.50	0.10	3.25
Hanumaiah Layout Main Road						
Potholes	cum	4	1.50	0.45	0.10	0.27
Road cutting	cum	5	5.00	0.50	0.10	1.25
1st cross						
Road cutting	cum	1	3.50	0.50	0.10	0.17
Potholes	cum	2	0.80	1.20	0.10	0.19
2nd cross						
Road cutting	cum	1	3.50	0.50	0.10	0.17
Potholes	cum	3	1.00	1.50	0.10	0.45
3rd cross						
Road cutting	cum	2	3.50	0.50	0.10	0.35
Potholes	cum	4	1.20	0.50	0.10	0.24
4th cross						
Road cutting	cum	3	3.50	0.50	0.10	0.52
Potholes	cum	5	1.50	1.80	0.10	1.35
5th cross						

Road cutting	cum	2	3.50	0.50	0.10	0.35
Potholes	cum	4	1.80	2.10	0.10	1.51
6th cross						
Road cutting	cum	3	3.50	0.50	0.10	0.52
Potholes	cum	3	1.00	1.00	0.10	0.30
KEB Road						
Road cutting	cum	3	5.00	0.50	0.10	0.75
Potholes	cum	4	1.50	1.50	0.10	0.90
						82.38 1768.08 145654.00

Basic Rate	1668.00
Area Weightage @ 6%	100.08
Total	1768.08

3 KSRRB 3000 Filling Pot-holes and Patch Repairs with Bituminous Concrete, 40 mm KSRRB M3000-5. Removal of all failed material, trimming of completed excavation to provide firm vertical faces, cleaning of surface, painting of tack coat on the sides and base of excavation as per clause 500.3, filling back the pot holes with hot bituminous material as per clause 500.4, compacting, trimming and finishing the surface to form a smooth continuous surface, all as per clause 3004.2 complete as per specifications MORTH Specification No. 3004.2, No. 257/ Item No. 35.5 PWD SR 2015-16

Tatanagara

Sqm.

3rd Cross					
Road cutting	cum	8	8.00	1.00	17.00
Potholes	cum	4	6.00	0.80	10.80
	Cum	3	2.00	1.50	6.50
	Cum	2	0.60	0.80	3.40
	Cum	1	1.20	0.70	2.90
4th & 5th Cross					0.00
Road cutting	cum	5	6.00	0.60	11.60
Potholes	cum	8	0.80	0.80	9.60
	Cum	2	1.50	1.20	4.70
	Cum	4	0.80	1.00	5.80
		3	1.20	1.50	5.70
		5	0.70	1.20	6.90
		10	1.30	1.50	12.80
		10	1.00	0.60	11.60

		8	7.00	1.20	16.20
		5	2.00	1.60	8.60
		10	1.60	2.50	14.10
		8	2.50	3.00	13.50
6th Cross					0.00
Road cutting	cum	7	7.00	0.40	14.40
Potholes	cum	2	1.00	0.80	3.80
	cum	1	0.90	0.60	2.50
7th Cross					0.00
Road cutting	cum	3	6.00	0.40	9.40
Potholes	cum	1	1.00	0.60	2.60
	cum	1	7.00	0.80	8.80
4th Main					0.00
Road cutting	cum	8	7.00	0.40	15.40
Potholes	cum	4	1.00	6.00	11.00
	cum	1	1.50	4.00	6.50
		1	0.60	1.20	2.80
		1	0.80	1.20	3.00
10th Main					0.00
Road cutting	cum	5	7.00	0.50	12.50
Potholes	cum	1	1.00	0.30	2.30
		1	1.20	0.60	2.80
Hebbal Sarovara					0.00
Road cutting	cum	5	6.00	0.50	11.50
Potholes	cum	3	0.50	0.80	4.30
	Cum	1	1.00	0.60	2.60
	cum	1	1.00	0.80	2.80
NTI Layout					0.00
Potholes	cum	1	1.00	1.00	3.00
Road cutting	cum	13	5.00	0.50	18.50

	Hanumaiah Layout Main Road					0.00		
	Potholes	cum	4	1.50	0.45	5.95		
	Road cutting	cum	5	5.00	0.50	10.50		
	1st cross					0.00		
	Road cutting	cum	1	3.50	0.50	5.00		
	Potholes	cum	2	0.80	1.20	4.00		
	2nd cross					0.00		
	Road cutting	cum	1	3.50	0.50	5.00		
	Potholes	cum	3	1.00	1.50	5.50		
	3rd cross					0.00		
	Road cutting	cum	2	3.50	0.50	6.00		
	Potholes	cum	4	1.20	0.50	5.70		
	4th cross					0.00		
	Road cutting	cum	3	3.50	0.50	7.00		
	Potholes	cum	5	1.50	1.80	8.30		
	5th cross					0.00		
	Road cutting	cum	2	3.50	0.50	6.00		
	Potholes	cum	4	1.80	2.10	7.90		
	6th cross					0.00		
	Road cutting	cum	3	3.50	0.50	7.00		
	Potholes	cum	3	1.00	1.00	5.00		
	KEB Road					0.00		
	Road cutting	cum	3	5.00	0.50	8.50		
	Potholes	cum	4	1.50	1.50	7.00		
			206			406.55	302.10	122819.00
	Basic Rate	285.00						
	Area Weightage @ 6%	17.10						
	Total	302.10						
4	Lead and disposal of Item No.1 & Road side debris	cum				167.74 145.26 313.00	106.00	33178.00
5	Sub -Total							316231.00
6	For Third Part QC inspection Charges @ 1% of Estimate Cost							3162.00

Miscellaneous and unforeseen charges	607.00
Total	320000.00

(Rupees Three Lakhs Twenty Thousand Only)

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per P.W.D S.R of 2015-16.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward no. 8

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP

Executive Engineer 3/02
Byatarayanapura Division
BBMP
03/02

TECHNICAL SANCTION

Accorded For Rs. Three lakh Twenty thousand only

Head of A/c P-1771

Div. Ref. No. 153/16-17 03/02/16

AE 03/02

EE(BTP) 3/02